

**Materials Chemistry and Adhesion**

**Sep. 8th, 2023**

**Room C**

Chaired by Hitoshi Kasai (Tohoku Univ.), Masaya Mitsuishi (Tohoku Univ.), Yutaka Sato (Tohoku Univ.)  
and Hiroyuki Waki (Iwate Univ.)

**Sep. 8th (Fri.)**

**10:00 – 10:30 Chaired by Hitoshi Kasai (Tohoku University)**

08C1   ○Yutaka Maeda (Tokyo Gakugei University, Japan)  
“Creation of near-infrared luminescent materials by chemical functionalization of single-walled carbon nanotubes”

**10:30 – 11:00 Chaired by Jin Gong (Yamagata University)**

08C2   ○Huie Zhu (Zhangjiang Laboratory / Tohoku University, China)  
“Hybrid Cyclic Siloxane as Building Blocks for Functional Materials”

**11:00 – 11:30 Chaired by Yutaka Sato (Tohoku University)**

08C3   ○Hiroyuki Waki, Yudai Fujii, Kanta Adachi (Iwate University, Japan)  
“Evaluation of deposition stress and segmented crack initiation in thermal spray coatings by in situ curvature monitoring”

**11:30 – 12:00 Chaired by Yutaka Sato (Tohoku University)**

08C4   ○Sylvain DANCETTE, Vito ACITO, Julien SCHEIBERT, Eric MAIRE, Davy DALMAS  
(INSA Lyon / Ecole Centrale Lyon, Japan)  
“Soft contact mechanics imaged in 3D by X-ray tomography”